AMENDMENTS TO THE CLAIMS

1. – 14. (Cancelled)

15. (Currently Amended) A visual data adaptation method comprising:

adapting visual data in response to received display capability information of a display device in a ~~particular~~ separate user terminal and a usage environment of the ~~particular~~ separate user terminal; and

outputting the adapted visual data to the ~~particular~~ separate user terminal, wherein the display capability information is hierarchically structured to include backlight luminance information as a sub-element of the display capability information, and the backlight luminance information is described as a numerical value ranging from a lowest possible value to a highest possible value that is adjusted according to the usage environment of the ~~particular~~ separate user terminal.

16. (Previously Presented) The visual data adaptation method as recited in claim 15, wherein the visual data is RGB data of pixels.

17. (Previously Presented) The visual data adaptation method as recited in claim 15, wherein the adaptation is to control pixel value of the visual data according to the backlight luminance information by shifting an RGB value, controlling the brightness or contrast of a visual signal, warping histogram, warping histogram in a YUV space, or warping intensity in a Hue, Intensity and Saturation (HIS) space.

18. (Currently Amended) The visual data adaptation method as recited in claim 15, wherein the backlight luminance information is adjusted according to the adjusted visual data transmitted from the separate user terminal.

19. (Currently Amended) A visual data adaptation apparatus comprising:

an adaptation means for adapting visual data in response to received display capability information of a display device in a ~~particular~~ separate user terminal and a usage environment of the ~~particular~~ separate user terminal; and

an outputting means for outputting the adapted visual data to the ~~particular~~ separate user terminal, wherein the display capability information is hierarchically structured to include backlight luminance information as a sub-element of the display capability information, and the backlight luminance information is described as a numerical value ranging from the lowest possible value to the highest possible value that is adjusted according to the usage environment of the ~~particular~~ separate user terminal.

20. (Previously Presented) The visual data adaptation apparatus as recited in claim 19, wherein the visual data is RGB data of pixels.

21. (Previously Presented) The visual data adaptation apparatus as recited in claim 19, wherein the adaptation means controls pixel value of the visual data according to the backlight luminance information by shifting an RGB value, controlling the brightness or contrast of a visual signal, warping histogram, warping histogram in a YUV space, or warping intensity in a Hue, Intensity and Saturation (HIS) space.

22. (Currently Amended) The visual data adaptation apparatus as recited in claim 19, wherein the backlight luminance information is adjusted according to the adjusted visual data transmitted from the separate user terminal.

23. (Currently Amended) A computer readable storage medium in which metadata is recorded, the metadata comprising:

display capability information of a display device in a user terminal, wherein visual data is adapted by a video adaptation apparatus that is ~~particular~~ separate from the user terminal according to the display capability information and a usage environment of the ~~particular~~ separate user terminal, and the display capability information is hierarchically structured to include backlight luminance information as a sub-element of the display capability information,

and the backlight luminance information is described as a numerical value ranging from the lowest possible value to the highest possible value that is adjusted according to the usage environment of the ~~particular~~ separate user terminal.

24. (Previously Presented) The computer readable storage medium as recited in claim 23, wherein the visual data is RGB data of pixels.

25. (Previously Presented) The computer readable storage medium as recited in claim 23, wherein the adaptation is to control pixel value of the visual data according to the backlight luminance information by shifting an RGB value, controlling the brightness or contrast of a visual signal, warping histogram, warping histogram in a YUV space, or warping intensity in a Hue, Intensity and Saturation (HIS) space.

26. (Currently Amended) The computer readable storage medium as recited in claim 23, wherein the backlight luminance information is adjusted according to the adjusted visual data transmitted from the separate user terminal.